

Amendment to the Claims

This listing of claims will replace all prior versions and listings of claims.

1-24. (Canceled)

25. (New) An isolated antibody or fragment thereof that specifically binds to a polypeptide selected from the group consisting of:

(a) a polypeptide whose amino acid sequence consists of amino acid residues 1 to 508 of SEQ ID NO:139;

(b) a polypeptide whose amino acid sequence consists of a portion of SEQ ID NO:139, wherein said portion is at least 30 contiguous amino acid residues of SEQ ID NO:139; and

(c) a polypeptide whose amino acid sequence consists of a portion of SEQ ID NO:139, wherein said portion is at least 50 contiguous amino acid residues of SEQ ID NO:139.

26. (New) The antibody or fragment thereof of claim 25 that specifically binds polypeptide (a).

27. (New) The antibody or fragment thereof of claim 25 that specifically binds polypeptide (b).

28. (New) The antibody or fragment thereof of claim 25 that specifically binds polypeptide (c).

29. (New) The antibody or fragment thereof of claim 27 that specifically binds a polypeptide whose amino acid sequence consists of amino acid residues 1 to 508 of SEQ ID NO:139.

30. (New) The antibody or fragment thereof of claim 25, which is a polyclonal antibody.

31. (New) The antibody or fragment thereof of claim 25, which is a monoclonal antibody.
32. (New) The antibody or fragment thereof of claim 25, which is selected from the group consisting of:
- (a) a chimeric antibody;
 - (b) a human antibody;
 - (c) a humanized antibody;
 - (d) a single chain antibody; and
 - (e) a Fab fragment.
33. (New) The antibody or fragment thereof of claim 25, which is labeled.
34. (New) The antibody or fragment thereof of claim 25 wherein said polypeptide bound by said antibody or fragment thereof is glycosylated
35. (New) The antibody or fragment thereof of claim 25 wherein said antibody or fragment thereof specifically binds to said polypeptide in a Western blot.
36. (New) The antibody or fragment thereof of claim 25 wherein said antibody or fragment thereof specifically binds to said polypeptide in an ELISA.
37. (New) An isolated cell that produces the antibody or fragment thereof of claim 25.
38. (New) A hybridoma that produces the antibody or fragment thereof of claim 25.
39. (New) The antibody or fragment thereof of claim 26, which is a polyclonal antibody.

40. (New) The antibody or fragment thereof of claim 26, which is a monoclonal antibody.
41. (New) The antibody or fragment thereof of claim 26 which is selected from the group consisting of:
- (a) a chimeric antibody;
 - (b) a human antibody;
 - (c) a humanized antibody;
 - (d) a single chain antibody; and
 - (e) a Fab fragment.
42. (New) The antibody or fragment thereof of claim 26, which is labeled.
43. (New) The antibody or fragment thereof of claim 26 wherein said polypeptide bound by said antibody or fragment thereof is glycosylated
44. (New) The antibody or fragment thereof of claim 26 wherein said antibody or fragment thereof specifically binds to said polypeptide in a Western blot.
45. (New) The antibody or fragment thereof of claim 26 wherein said antibody or fragment thereof specifically binds to said polypeptide in an ELISA.
46. (New) An isolated cell that produces the antibody or fragment thereof of claim 26.
47. (New) A hybridoma that produces the antibody or fragment thereof of claim 26.
48. (New) A method of detecting a polypeptide comprising amino acid residues 1 to 508 of SEQ ID NO:139 in a biological sample comprising:
- (a) contacting the biological sample with the antibody or fragment thereof of claim 25;

- (b) allowing a complex to form between said polypeptide comprising amino acid residues 1 to 508 of SEQ ID NO:139 and said antibody of claim 25; and,
- (c) detecting said complex.